

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number  
**WO 2005/066149 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 307/80**

(74) Agent: **DÜNNWALD, Dieter**; Clariant International Ltd,  
Rothausstrasse 61, CH-4132 Muttenz 1 (CH).

(21) International Application Number:  
PCT/IB2004/004158

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
15 December 2004 (15.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0315398 24 December 2003 (24.12.2003) FR

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **CLARIANT (France)** [FR/FR]; 70, Avenue du Général de Gaulle, F-92800 Puteaux (FR).

(72) Inventors; and

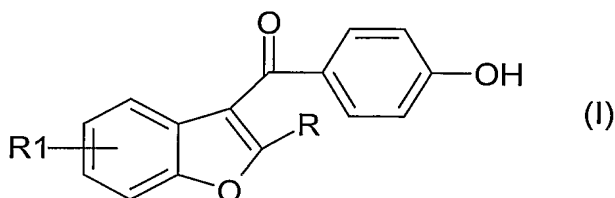
(75) Inventors/Applicants (*for US only*): **SHOUTTEETEN, Alain** [FR/FR]; 17 rue de Normandie, F-95460 Ezanville (FR). **BLEGER, François** [FR/FR]; 3, rue de la Pierre Sautée, F-60350 Trosly-Breuil (FR). **MORDACQ, Françoise** [FR/FR]; 17, rue Henri Massin, F-60350 Trosly-Breuil (FR). **PIRON, Jérôme** [FR/FR]; 13, rue des Buttes, F-60150 Janville (FR).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR THE PREPERATION OF N-ALKYL-2(HYDROXY-4 BENZOYL)-3 BENZOFURANS AND ITS INTERMEDIATES THEREOF



(57) Abstract: Process for the preparation of a 2-(n-alkyl)-3-(4-hydroxybenzoyl)benzofuran of formula (I) in which R represents a linear or branched alkyl radical including from 1 to 5 carbon atoms and R1 represents a linear or branched alkyl radical including from 1 to 3 carbon atoms, a linear or branched alkoxy radical including from 1 to 3 carbon atoms, a halogen atom or a nitro radical, and intermediates.



WO 2005/066149 A1